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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/929,802	08/13/2001	Amlan Chatterjee	SUN-P6093	2552

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EXAMINER

PWU, JEFFREY C

ART UNIT	PAPER NUMBER
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2143

DATE MAILED: 11/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/929,802

Applicant(s)

CHATTERJEE ET AL.

Examiner

Jeffrey Pwu

Art Unit

2143

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2. Claims 1-30 are rejected under 35 U.S.C. 102(a) as being unpatentable over WAP

Architecture (Version 12-July-2001), hereinafter WAP.

WAP discloses claims:

1. A wireless server system comprising:
an applications content locating module (See “Feature/Performance-Enhancing Proxies” of fig.3) for locating a first wireless applications content over multiple back-end resource servers pertinent to a type of wireless client (pages 13-14, 6.2 The WAP Model); and
an applications content transformation service, in response to receiving a particular client type associated with a particular wireless client, for dynamically presenting transformed content in a format suitable to said wireless client based on said particular client type (pages 14-15), and
wherein said application content transformation service is also for transforming content to said particular wireless client for presentation thereto (pages 12-15).
2. The wireless server system of Claim 1, further comprising an applications content translating module coupled to said applications content locating module for providing client specific templates which, in combination with said first wireless application content, are transformed into content suitable for presentation to particular wireless devices (pages 14-15).
3. The wireless server system of Claim 1, further comprising an automatic client detection service for automatically detecting and providing client type information of said particular

Art Unit: 2143

wireless client to be used by said content locating module in determining the appropriate client specific templates to use to transform said first wireless application content (pages 14-15; "Client-Proxy").

4. The wireless server system of Claim 3, wherein said particular client is for providing a service request to determine the type of content to be delivered to said particular client (See "supporting Servers" of fig.4, 'Supporting services').

5. The wireless server system of Claim 1, further comprising pre-stored class information for enabling said application content transformation service to transform said first wireless application content in a manner suitable for presentation to said client.

6. The wireless server system of Claim 1, wherein said first wireless application content is compliant with Extensible Markup Language (XML) content (page 10).

7. The wireless server system of Claim 6, wherein said client specific templates are compliant with Extensible Style sheet Language (XSL) (in transforming XML documents into HTML, text, or other XML document types, it is inherent to use XSL for compliance in order to provide web contents).

8. The wireless server system of Claim 7, wherein said particular client is a hand-held device. (See fig.2, handheld device).

9. The wireless server system of Claim 7, wherein said particular client is a wireless phone (See fig.2, handheld device).

10. The wireless server system of claim 7, wherein said particular client is a wireless personal computer system (wireless devices).

11. A client aware Extensible Markup Language (XML) content integrator in a wireless network, comprising:

Art Unit: 2143

a wireless server (WTA server);
a plurality of classes of wireless clients, each of said classes of wireless clients comprising unique identification parameters (page 14, "Protocol Gateway – The protocol gateway translates requests from a wireless protocol stack (e.g. the WAP 1.x stack- WSP, WTP, WTLS, and WDP) to the WWW protocols (HTTP and TCP/IP)"); and
a client aware Extensible Markup Language (XML) content provider for retrieving XML data from a source external to said wireless server in response to a particular client type content access requests from a particular client of said plurality of classes of wireless clients (pages 18-20, "XHTML").

12. The client aware XML content integrator of Claim 11, further comprising client aware XML content translation templates, said translation templates specific to client type information defining said wireless clients (pages 18-20).

13. The client aware XML content integrator of Claim 12, further comprising XML transformation logic for transforming said XML content in combination with said XML content translation templates (pages 18-20).

14. The client aware XML content integrator of Claim 12, wherein said XML content translation templates are compliant with Extensible Style sheet Language (XSL) templates (pages 18-20).

15. The client aware content integrator of Claim 11, wherein said client aware XML content provider is extensible to dynamically alter transformation data provided to said XML content provider (pages 18-20).

16. The client aware content integrator of Claim 14, wherein said XML content is transformed in combination with said XSL templates to a markup content suitable for presentation to said particular client (in transforming XML documents into HTML, text, or other XML document types, it is inherent to use XSL for compliance in order to provide web contents).

Art Unit: 2143

17. A wireless server, comprising:
a client aware Extensible Markup Language (XML) content integration and transformation provider for providing XML content gathered from a plurality of locations in a coherent and cohesive markup format to a wireless client coupled to the wireless server in a client aware fashion and based for each respective client type (pages 18-20; "XHTML"); and
a local storage unit for storing transient data needed for transforming said XML content by said client aware XML content integration and transformation provider (App server).
18. The wireless server of Claim 17, wherein said client aware XML content integration and transformation provider comprises a client aware XML content retrieving unit for retrieving XML content from data sources that are external and internal to said wireless server.
19. The wireless server of Claim 18, wherein said XML content integration and transformation provider further comprises a plurality of client aware Extensible Style sheet Language (XSL) templates for providing client specific content translation information for transforming said XML content in a client specific manner (in transforming XML documents into HTML, text, or other XML document types, it is inherent to use XSL for compliance in order to provide web contents).
20. The wireless server of Claim 18, wherein said XML content integration and transformation provider further comprises an XML content transformation unit for transforming said XML content into a client specific markup content (pages 18-20; "XHTML")
21. The wireless server of Claim 20, wherein said markup content is compliant with Hyper Text Markup Language content (pages 18-20).
22. The wireless server of Claim 20, wherein said markup content is compliant with Wireless Markup Language content (WAP).

Art Unit: 2143

23. The wireless server of Claim 20, wherein said markup content is compliant with Handheld Device Markup Language content (WAP devices).

24. The wireless server of Claim 20, wherein said markup content comprises a markup content suitably adapted to interact with a Internet browser of said wireless client (see figs. 1-3).

25. The wireless server of Claim 24, wherein said XML content integration and transformation provider further comprises availability logic for determining whether content selected by said client is available for presentation to said client (pages 14-20).

Claims 26-30 are similarly rejected as in claims 1-25:

26. A method for providing Extensible Markup Language (XML) content from a wireless server to a wireless client connected to said wireless server, said method comprising the steps of receiving a client request by said wireless server from said wireless client, said client request comprising client type information defining client parameters specific and unique to said wireless client; retrieving XML content in response to said client request from data sources external and internal to said wireless server; and transforming said retrieved XML content into appropriate content suitable for an underlying markup language of an Internet browser used by said wireless client.

27. The method of Claim 26, further comprising the step of retrieving style sheet information specific to said wireless client for transforming said XML content.

28. The method of Claim 27, wherein said style sheet compliant with Extensible Style sheet Language (XSL).

29. The method of Claim 26, wherein said transforming step comprises the step of loading a class of transformation parameters suitable for transforming said retrieved XML content in a manner specific and unique to said wireless client.

Art Unit: 2143

30. The method of Claim of 26, wherein said external data source comprises resource servers coupled to the Internet.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey Pwu whose telephone number is 571 272-6798. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on 571 272-3923. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Tuesday, October 26, 2004

JEFFREY PWU
PRIMARY EXAMINER